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MAY 12 2014

GENERAL PERMIT REISSUANCE TRACKING SHEET

Facility Name: Vulcan Construction Materials - Skippers Quarry County: _____

Owner: Vulcan Construction Materials LP

Permit #: VAG84 0152

Permit Writer: CBC/BKR

	<u>Date</u>
Registration Statement Received (UPDATE CEDS)	3/25/14
Additional Information Requested	
Additional Information Received	
Fee Deposit Received	3/27/14
Registration Statement Considered Complete	3/25/14
Registration Statement to TMDL staff	6/5/14
All Applicable Information entered into CEDS	6/16/14
Application Information Added to General Permit Tracking Spreadsheet	6/16/14

Concurrences

Signature	<u>D. Cutler</u>				
Date	6/16/14				

MEMORANDUM

DEPARTMENT OF ENVIRONMENTAL QUALITY

VALLEY REGIONAL OFFICE

4411 Early Road - P.O. Box 3000

Harrisonburg, VA 22801

SUBJECT: Registration Statement Errata for VPDES Permit Nos. VAG840113, VAG840114,
VAG840118, VAG840120, VAG840126, VAG840134, VAG840039, VAG840137,
VAG840152, VAG840156, VAG840162

TO: GP File

FROM: Olive Critzer



DATE: March 25, 2014

The following deficiencies were noted in the subject general permit registration statements:

All the facility names are to be prefaced with Vulcan Construction Materials

The above deficiency in the registration statement is considered to be insignificant in that it will not affect the reissuance of the general permit.



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DEQ - Valley

MAR 25 2014

Ms. Olive B. Critzer
Valley Regional Office
Department of Environmental Quality
PO Box 3000
Harrisonburg, VA 22801

To: _____
FILE: _____ March 17, 2014

RE: Reissuance of Nonmetallic Mineral Mining General Permit No. VAG840152
Vulcan Construction Materials Company - Skippers Quarry - Greensville County

Dear Ms. Critzer:

Enclosed, please find the General Permit Registration form and appropriate attachments for the above referenced facility.

We propose no changes to the existing permitted facilities and desire only to obtain a reissuance on the General Permit. Please provide DMR forms for the process water outfall 001, and the representative stormwater outfalls 009 and 016, described in the following enclosures. **Process water outfall 010 has been designed to operate as a "no discharge" outfall and therefore does not require a DMR form.** It should be noted that all process water outfalls do not include discharges from vehicle washing activities or oil water separator discharges; therefore, petroleum hydrocarbon sampling should not be included on the DMR form for each process water outfall.

Thank you for your kind assistance in this matter. If you have any questions and/or comments, please contact Brian Parker of Cardno MM&A at (804) 441-8388 or myself at (804) 717-8374.

Sincerely,

Walter C. Beck III

Walter Beck
Environmental Engineer

Enclosures

**VPDES GENERAL PERMIT REGISTRATION STATEMENT
NONMETALLIC MINERAL MINING**

RECEIVED

DEQ Valley

MAR 25 2014

1. **Facility Owner:** Vulcan Construction Materials, LP C/O Walter Beck
2. **Owner Mailing address:** Street or P.O. Box 5601 Iron Bridge Parkway, Suite 201
City or Town Chester State Virginia Zip Code 23831
To: _____
FILE: _____
3. **Owner Telephone #:** (804) 717-5770 4. **Owner Email:** BeckW@VMCMAIL.com
5. **Contact Name:** Walter Beck 6. **Contact Telephone #:** (804) 717-8374
7. **Contact Email:** BeckW@VMCMAIL.com
9. **Facility Lat/Long (deg-min-sec):** 36-36-24 / 77-34-35
8. **Facility Name:** Skippers Quarry
10. **Facility Address:** 1459 Quarry Road, Route, 650, Skippers, VA 23879
(County, Street Number, City or Town, State, Zip)
11. **Description of mining activity (mineral mined):** _____
Extraction of granite and production of crushed stone products for the construction industry.
12. **Primary SIC code:** 1423 **Secondary SIC codes:** _____
13. **Does this mine currently have a VPDES permit?** Yes ☒ No ☐ (If yes, give permit number) VAG840152
14. **Discharge Information:** PLEASE SEE ATTACHED OUTFALL DESCRIPTIONS

OUTFALL NUMBER	OUTFALL TYPE (see note 1)	SOURCE OF DISCHARGE (see note 2)	RECEIVING STREAM AND WETLANDS	LATITUDE/ LONGITUDE (deg-min-sec)

Notes:

1. Outfall Type - list as (1) process wastewater, (2) storm water, or (3) process water commingled with storm water.
2. Source of Discharge (If the outfall has a combination of these sources, list all that apply): (1) mine pit dewatering, (2) storm water associated with industrial activity, (3) storm water not associated with industrial activity, (4) ground water infiltration, (5) wastewater from vehicle or equipment degreasing activities, (6) vehicle washing, (7) mined material washing, (8) return water from operations where mined material is dredged, (9) noncontact cooling water, (10) miscellaneous plant cleanup wastewater, (11) co-located facility discharges (identify the co-located facility), (12) emergency outfall for process water systems designed as "no discharge" or (13) other discharges not listed here (describe).

15. **Is the process water system designed to operate as "no discharge?"** Yes ☒ No ☒ (see instructions).
16. **Storm Water:** Outfall 327-001 will require a DMR while outfall 327-010 has been designed as a "no discharge" outfall
- a. **Indicate which exclusively storm water outfalls (if any) will be representative outfalls that require a single Discharge Monitoring Report (DMR).** SEE ATTACHED OUTFALL LIST FOR REPRESENTATIVE OUTFALLS
- b. **For storm water outfalls which are to be represented by other outfall discharges, attach a description of the activities associated with those outfalls and explain why they are substantially the same as the representative outfall to be sampled.**
- c. **Does the storm water discharge from a storm water management structure (a series of large settling sedimentation basins).** Yes ☒ No ☐
- d. **Storm water pollution prevention plans (SWPPPs) do not need to be submitted with this registration. However, see requirements for development, updating and implementation in instructions below.**

17. If the facility discharges to the Chickahominy watershed above Walkers Dam, provide monitoring data to demonstrate compliance with 9VAC25-260-310 m (Chickahominy special standards) as per Part I B 14 of the 2014 VPDES Nonmetallic Mineral Mining General Permit (if not already submitted to the Department under a different VPDES permit in a DMR).

18. Description of wastewater treatment or reuse/recycle systems, or both:

Solids settling in the pit and/or sedimentation basins prior to discharge

19. List any chemicals added to water that could be discharged:

Callaway (4310, 4325, 4330, 4345, 4848, 4880, 3455L, 3477, 3458, 6280), Jayfloc 3475, Rockfloc (3742R, 3746R, 3719R), RockDust (100, 3330), Paschal PFR (C453, F444, F485, C258, P255, D252, D253), Sodium Hydroxide, Hydrated Lime, Sulfuric Acid (20% Baume), Hydrochloric Acid

20. Indicate any co-located facilities:

21. Is this facility a hazardous waste treatment, storage, or disposal facility? Yes ☐ No ☒

22. Attach to this registration statement a schematic drawing showing the sources of water used for production, the industrial operations contributing to or using water, and the conceptual design of the methods of treatment and disposal of wastewater and solids. Identify outfall numbers listed in item 14 above.

23. Attach to this registration statement an aerial photo or scale map which clearly shows the property boundaries, plant site, drainage areas associated with each outfall, locations of all mine pit dewatering, existing, significant sources of materials exposed to precipitation, storm water management structures (if any), storm water or process wastewater outfalls listed in item 14 above and the receiving streams.

24. Attach to this registration statement evidence that the operation to be covered by this general permit has a mining permit which has been approved by the Virginia Department of Mines, Minerals and Energy, Division of Mineral Mining (or associated waived program) under the provisions and requirements of Title 45.1 of the Code of Virginia. Mineral mines owned and operated by governmental bodies not subject to the provisions and requirements of Title 45.1 of the Code of Virginia are exempt from this requirement.

Mining Permit No.: 05589AC

25. Does the facility discharge storm water into a Municipal Separate Storm Sewer System (MS4)? Yes ☐ No ☒

If yes, provide name of the MS4 operator _____

26. Would you like your permit sent to you electronically? Yes ☐ No ☒

If yes, please list the email address to send it to: Prefer hard copy; If possible, also email to BeckW@VMCMAIL.com

Certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Signature: _____

Walter C. Beck III

Date: 3/17/2014

Print Name Walter C. Beck III

Title: Environmental Engineering

Required attachments:

1. Evidence of approved mining permit
2. Water use schematic drawing
3. Aerial photo or map

FOR DEPARTMENT USE ONLY:

Accepted/Not Accepted by: Brend Ricks

Date: 6/26/14

Basin Chowan River

Stream Class III

Section 3

Special Standards —

TMDL Compliance Yes

SECTION 5.0 DISCHARGE SAMPLING AND ANALYSIS

The General Permit requires sampling and analysis of point source discharges that fall in the following categories.

Mine dewatering and/or discharges of process wastewater, including commingled stormwater.

Stormwater discharges from other plant areas where the stormwater has contacted areas directly related to manufacturing, processing, or raw materials storage.

5.1 Process Water and Stormwater Sampling/Analysis Program

Refer to Table 1 for required sample frequency and analytical parameters. There are 4 appropriate sampling location at Skippers Quarry which will be used to sample various process water and stormwater discharges. Each outfall to be sampled is listed below along with a brief description of each outfall's type of discharge.

Representative Outfalls to be Sampled:

Outfall No.	Latitude / Longitude	Receiving Stream	Outfall Type	Source of Discharge
327-001	36° 36' 24" / 77° 34' 35"	Fontaine Creek	Commingled Process Water and Stormwater	Mine pit dewatering
327-010	36° 36' 45" / 77° 34' 34"	Fontaine Creek	Commingled Process Water and Stormwater	Mine pit dewatering (No discharge for 25-year storm event, therefor no DMR required.)
327-009	36° 36' 33" / 77° 34' 30"	Fontaine Creek	Stormwater associated with industrial activity.	This sample location is representative of all discharges from yard, cut/fill areas, plant areas, all areas associated with railroad activity.
327-016	36° 36' 45" / 77° 34' 53"	Jake's Pond to Fontaine Creek	Stormwater associated with industrial activity.	This sample location is representatif of all discharges from stripping and overburden disposal areas.

Note: There are a total of 17 discharge points (15 Stormwater, 2 process water) at the Skippers Quarry site.

Process water from the pit is pumped to settling ponds then discharged at outfall 327-001 into Fontaine Creek. Outfall 327-010 discharges process water from fines disposal pond No. 2 at an emergency overflow outfall; this outfall rarely discharges.

Outfalls 327-005 through 327-009 and 327-013 through 327-015 are all stormwater discharge points for the soon to be constructed railroad loop. Because outfall 327-009 will be responsible for discharging water from the largest area within the railroad loop, this outfall has been selected as the representative outfall. Outfall 327-008 is scheduled to be relocated by the end of 2009. While at one point it was a representative sampling point, it now will be represented by outfall 327-009 (please see locations on map).

Outfalls 327-002, 327-003, 327-004, and 327-019 are stormwater discharge points for runoff primarily from the south overburden disposal area. Outfalls 327-016, 327-017, and 327-018 are stormwater discharge points for runoff primarily from the soon to be constructed north and northeast overburden disposal areas. Because each of these outfall locations represent stormwater discharges from overburden areas containing similar material, outfall 327-016 has been selected as the representative sampling point for such discharges due to it's frequency to discharge.

The following table summarizes the total additional outfalls at this site which will not require sampling. The abovementioned outfalls that will be sampled have been linked to the following outfalls based on the overall type of discharge each additional outfall will represent. All outfall locations are indicated on the partial mine map in Appendix I.

Remaining Outfalls (not to be sampled):

Outfall No.	Latitude / Longitude	Receiving Stream	Outfall Type	Source of Discharge	Corresponding Representative Outfall*
327-002	36° 35' 44"/ 77° 34' 21"	Fontaine Creek	Stormwater associated with industrial activity.	Discharges stormwater drainage from stripping and overburden disposal areas.	327-016
327-003	36° 35' 47"/ 77° 34' 24"	Fontaine Creek	Stormwater associated with industrial activity.	This sample location will be representative of all discharges from stripping and overburden disposal areas.	327-016
327-004	36° 35' 45"/ 77° 34' 32"	Fontaine Creek	Stormwater associated with industrial activity.	Discharges stormwater drainage from stripping and overburden disposal areas	327-016
327-005	36° 36' 24"/ 77° 34' 42"	Tributary to Fontaine Creek	Stormwater associated with industrial activity.	Discharges stormwater from yard, cut/fill areas, plant areas, and areas associated with railroad activity.	327-009
327-006	36° 36' 34"/ 77° 34' 43"	Tributary to Fontaine Creek	Stormwater associated with industrial activity.	Discharges stormwater from yard, cut/fill areas, plant areas, and areas associated with railroad activity.	327-009
327-007	36° 36' 33"/ 77° 34' 40"	Tributary to Fontaine Creek	Stormwater associated with industrial activity.	Discharges stormwater from yard, cut/fill areas, plant areas, and areas associated with railroad activity.	327-009
327-008	36° 36' 38"/ 77° 34' 39"	Tributary to Fontaine Creek	Stormwater associated with industrial activity.	Discharges stormwater from yard, cut/fill areas, plant areas, and areas associated with railroad activity.	327-009
327-013	36° 36' 40"/ 77° 34' 31"	Fontaine Creek	Stormwater associated with industrial activity.	Discharges stormwater from yard, cut/fill areas, plant areas, and areas associated with railroad activity.	327-009
327-014	36° 36' 41"/ 77° 34' 30"	Fontaine Creek	Stormwater associated with industrial activity.	Discharges stormwater from yard, cut/fill areas, plant areas, and areas associated with railroad activity.	327-009
327-015	36° 36' 42"/ 77° 34' 25"	Fontaine Creek	Stormwater associated with industrial activity.	Discharges stormwater from yard, cut/fill areas, plant areas, and areas associated with railroad activity.	327-009
327-017	36° 36' 31"/ 77° 34' 58"	Tributary to Fontaine Creek	Stormwater associated with industrial activity.	Discharges stormwater from stripping and overburden disposal areas.	327-016
327-018	36° 36' 47"/ 77° 34' 41"	Jake's Pond to Fontaine Creek	Stormwater associated with industrial activity.	Discharges stormwater from stripping and overburden disposal areas.	327-016
327-019	36° 35' 46"/ 77° 34' 34"	Fontaine Creek	Stormwater associated with industrial activity.	Discharges stormwater from stripping and overburden disposal areas.	327-016

*Listed representative outfall is the appropriate sample point designated for that type of discharge; no grab sample needs to be taken for these additional listed outfalls.

PERMIT/LICENSE TO OPERATE A MINE

Permit/License No. 05589AC

Was issued to VULCAN CONSTRUCTION MATERIALS LP - SKIPPERS Q
Whose main office is located at (MIDEAST DIVISION)
RICHMOND, VA 23242

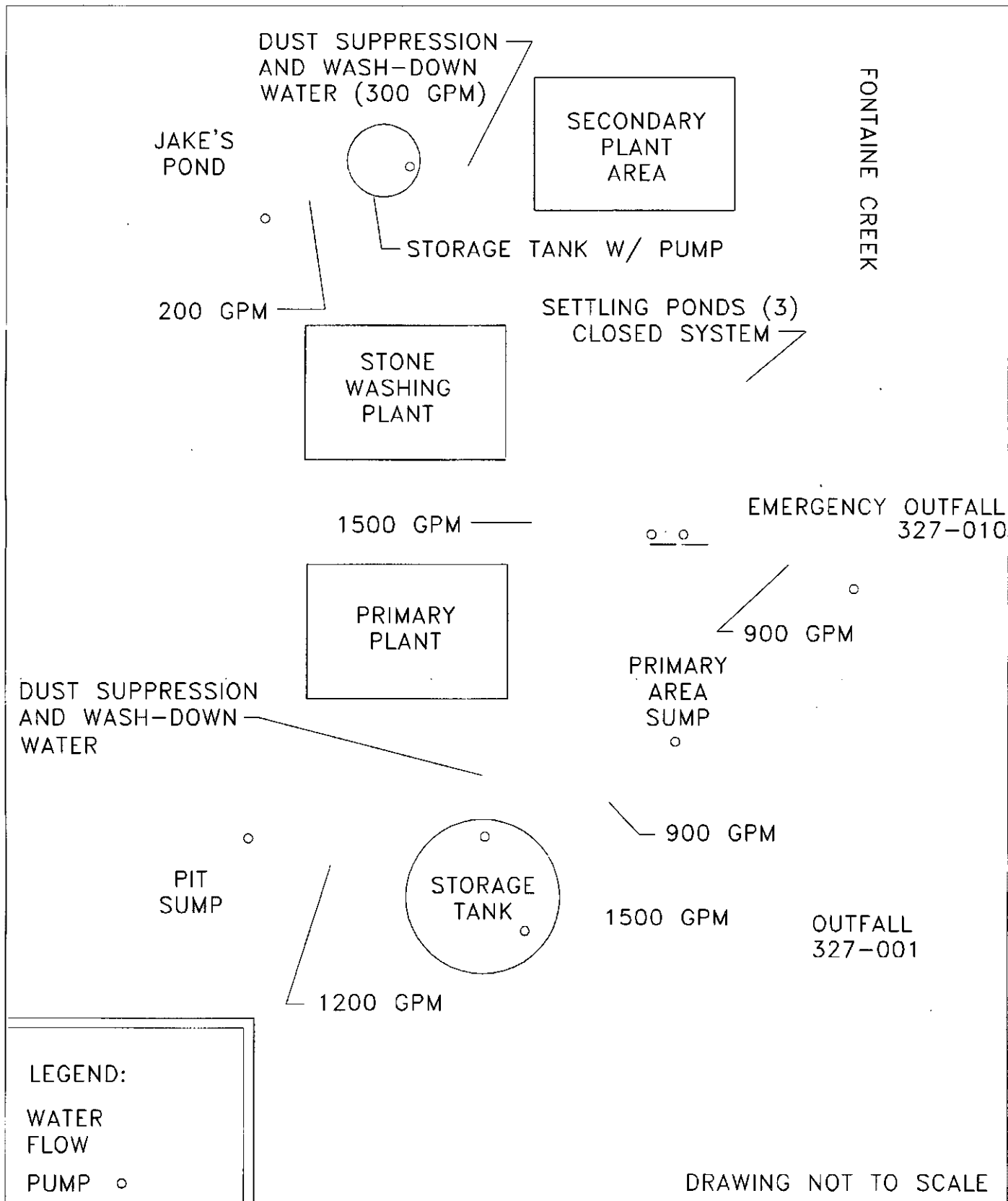
For type of mineral(s) GRANITE
Mine Type QUARRY Exemption Type N/A
Located at 7.5 MILES SOUTH OF EMPORIA, .5 MILE WEST OF I-95
County of GREENSVILLE

THIS PERMIT IS ISSUED PURSUANT TO CHAPTER 14.1 AND 16, TITLE 45.1, CODE OF VIRGINIA(1950), AS AMENDED Being an Act to require permits/licenses for certain mining operations and to fix conditions for issuance thereof; to provide that certain safety and reclamation practices be performed by mine operators and for inspection thereof; and to advise on satisfactory compliance; to require an annual report on progress of reclamation and tonnage of mineral mined; to provide for the Director to seek injunctive relief; to provide for a Board of Surface Mining Review, a Board of Mineral Mine Examiners, and to provide for appeals from rulings, violations and decisions of the Department or associated Boards.

Issued MAY 23 2000
Covering 406.10 ACRES.
Receipt number 19911

THIS PERMIT/LICENSE MUST BE POSTED NEAR THE MINE OFFICE

DEPARTMENT OFFICE COPY

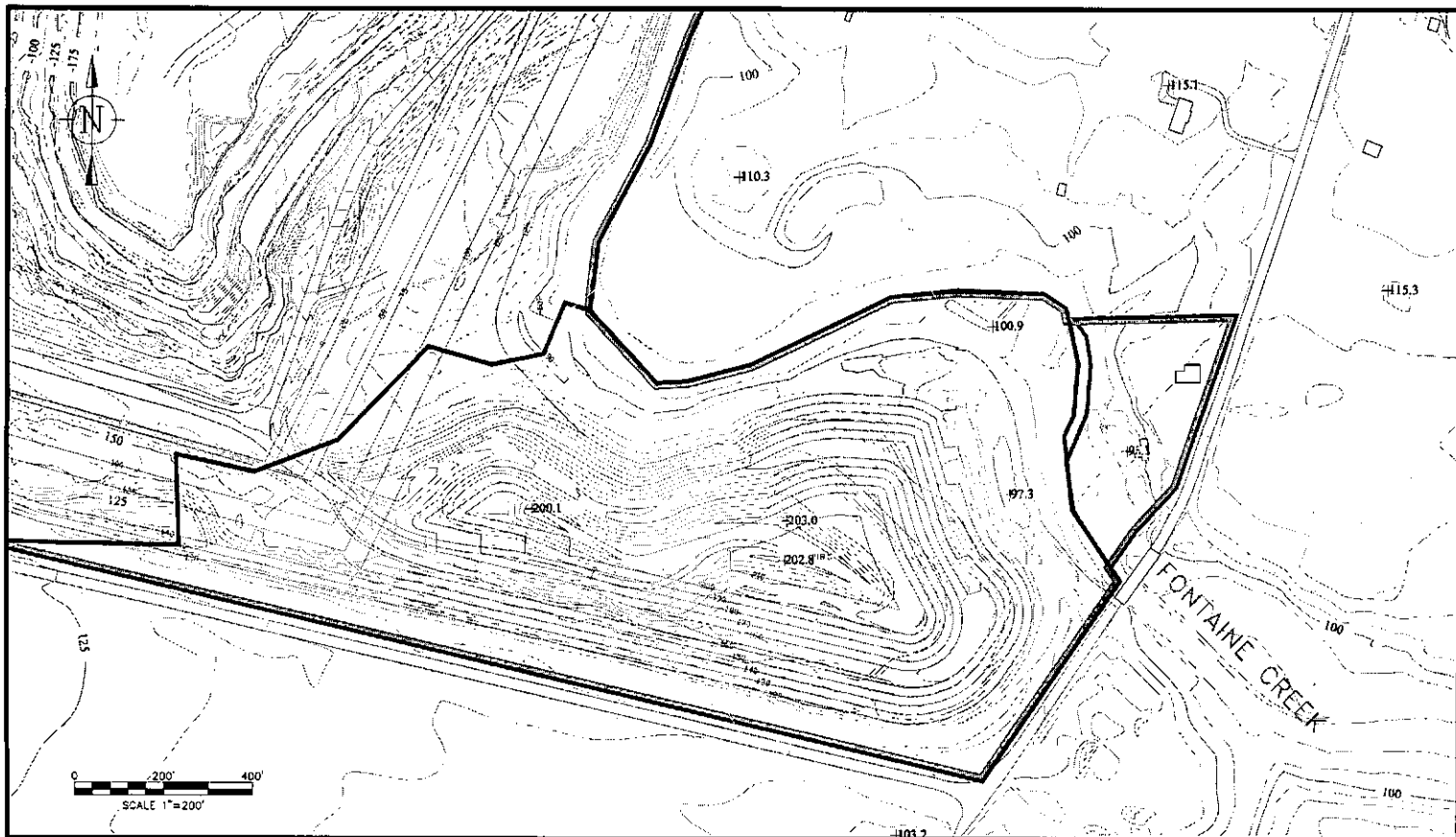


Prepared by:



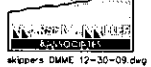
WATER USE SCHEMATIC
SKIPPERS QUARRY
SKIPPERS, VA
OCTOBER 2008

Vulcan
Materials Company



SHEET
1 OF 3

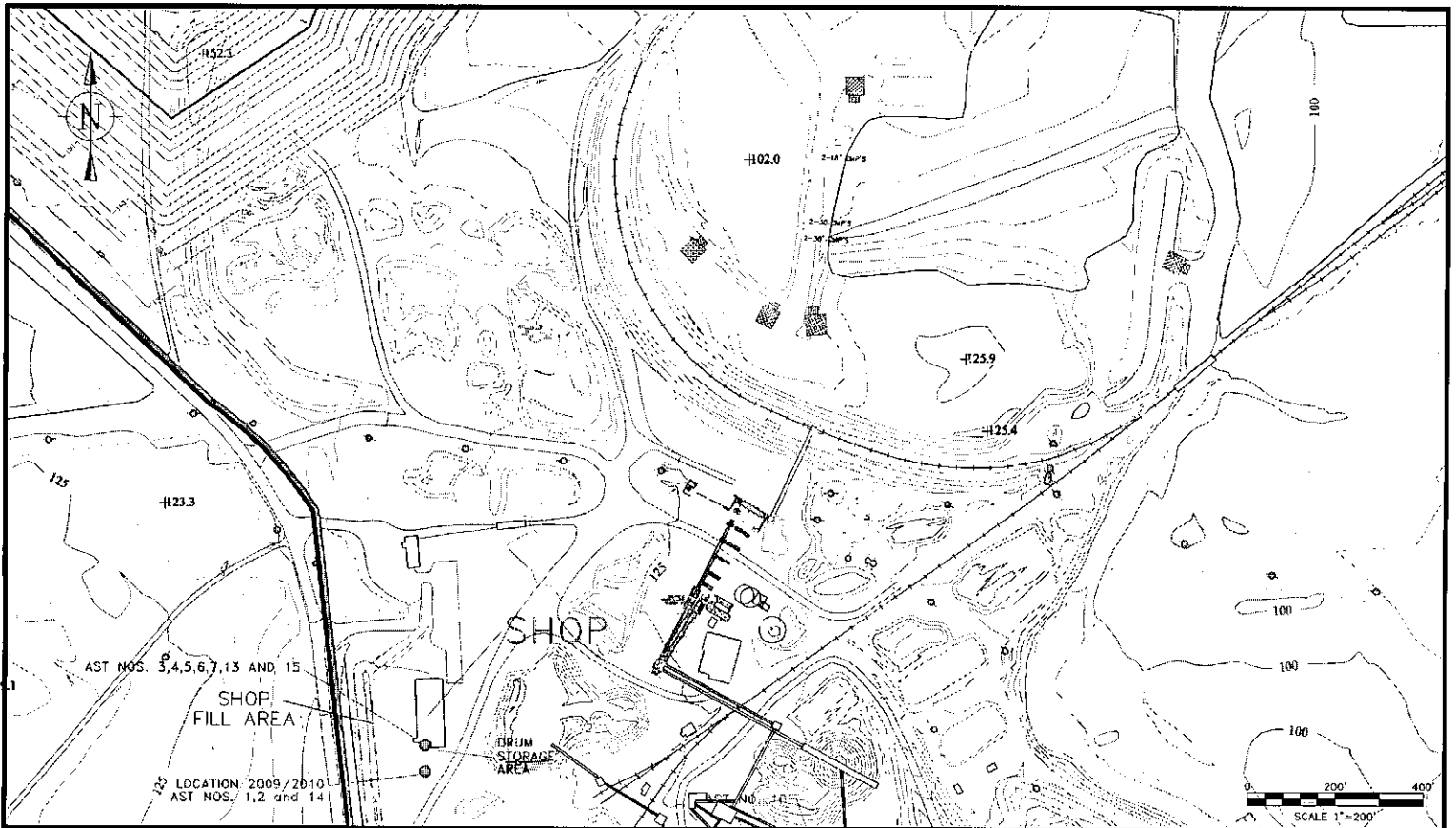
Prepared by:



OUTFALL LOCATION MAP
SKIPPERS QUARRY
SKIPPERS, VIRGINIA

DATE: 5/15/11
SCALE: 1"=200'
DESIGNED: RMP
DRAWN: BWP
PROJECT#: PR2048

Vulcan
Construction Materials



SHEET
2 OF 3

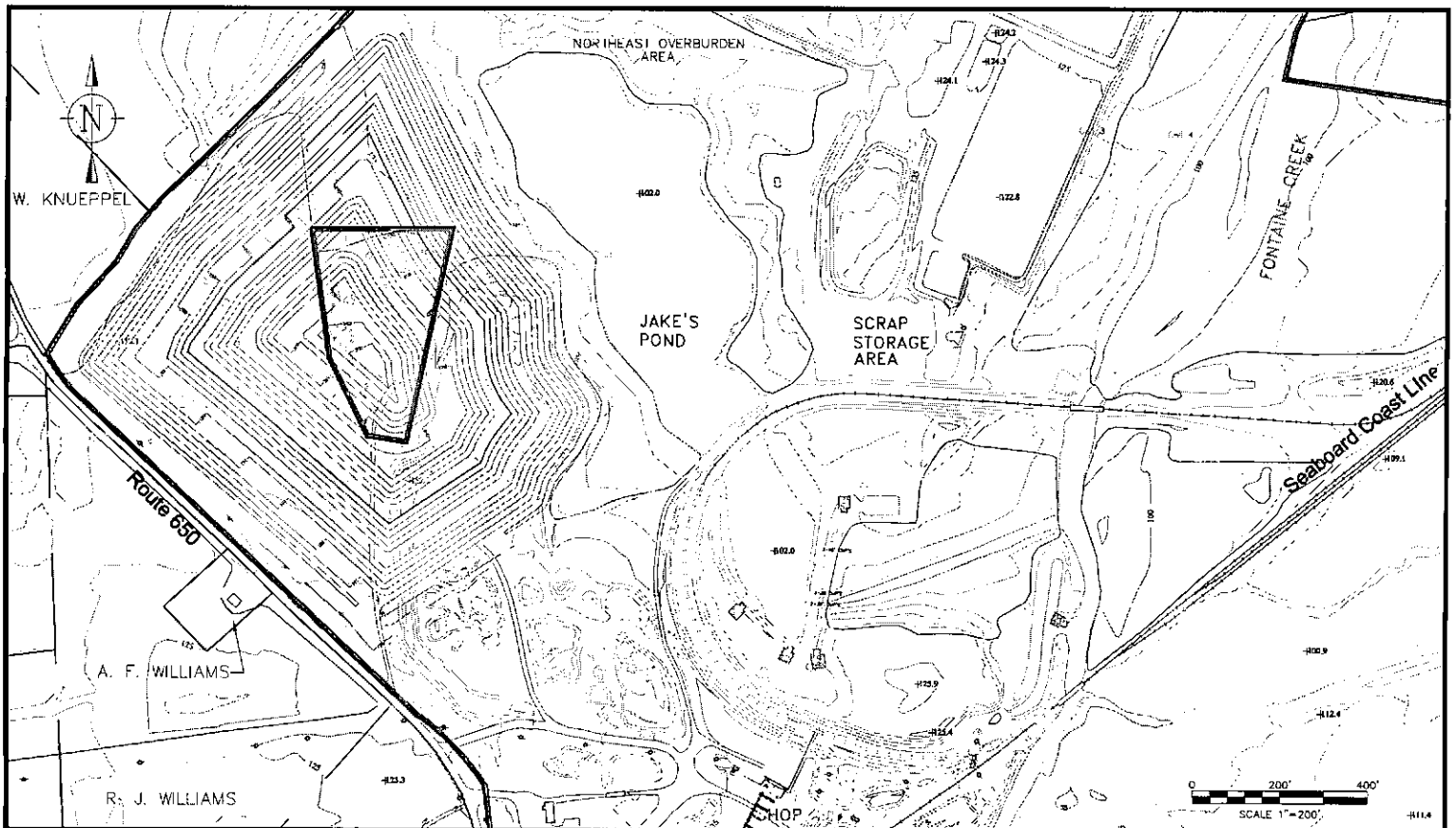
Prepared by

 skippers DIME 12-30-09.dwg

OUTFALL LOCATION MAP
 SKIPPERS QUARRY
 SKIPPERS, VIRGINIA

DATE: 6/15/11
 SCALE: 1"=200'
 DESIGNED: BMP
 DRAWN: BMP
 PROJECT: PR2048

Vulcan
 Construction Materials



SHEET
3 OF 3

Prepared by

 skippers.DNAME 12-30-08.dwg

OUTFALL LOCATION MAP
 SKIPPERS QUARRY
 SKIPPERS, VIRGINIA

DATE: 1/15/11
 SCALE: 1"=200'
 DESIGNED: BWP
 DRAWN: BWP
 PROJECT#: PR204B

Vulcan
 Construction Materials

SUBJECT: Reissuance of VPDES Permit No.VAG840152, Vulcan Construction Materials LP-Skippers Quarry

TO: Jennifer Palmore

FROM: Olive Critzer *Olive*

DATE: June 5, 2014

Receiving Stream: Fontaine Creek

Waterbody ID: VAP-K11R

Latitude/Longitude: 36 66 24N / 77 34 35W

Location: 1459 Quarry Road, Skippers

Based on the outfall location identified on the attached topographic map and based on the information above, please provide me with the following:

1. Does the facility discharge to an impaired water or to an unnamed, unimpaired tributary of an impaired water for which a TMDL waste load allocation has not been established by the board and approved by EPA? **Y**

If Yes, give the name of the impaired water: XGW-Fontaine Creek, UT (006-008, 016, 018) _____;

Impairment	Pollutant causing the impairment
Aquatic Life Use impairment due to low dissolved oxygen and low pH (suspected natural condition)	Y
	Y / N
	Y / N

2. Does any approved TMDL impose limits on discharges from this facility? **Y**

If Yes:

TMDL Pollutant	Does the facility discharge the TMDL pollutant?
Fontaine Creek Bacterial TMDL - E. coli - not addressed	N
	Y / N

Check if applicable:

- ☐ This facility was not included in the TMDL; however, the addition of this point source is not expected to cause water quality violations because it represents an insignificant load (less than 1%) compared to the TMDL.
- ☐ This facility was included in the Sediment TMDL for _____

(stream name)

and was given an allocation based on a TSS concentration of _____ mg/L.